

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	<b>Directional Signal and Noise Sensors for Borehole Electromagnetic Telemetry System</b>
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Application Number : 10/673971



Confirmation Number: 3957

First Named Applicant: Paul Rodney

Attorney Docket Number:

Art Unit: 2831

Examiner:

Search string: ( 4605826 or 4626894 or 4750156 or 4884230 or 4947362 or 5189415 or 5274606 or 5394141 or 5436564 or 5448531 or 5473321 or 5490121 or 5555530 or 5576703 or 5780784 or 5815496 or 5841810 or 5969638 or 5978417 or 6094623 or 6208265 or 6434247 or 6657597 ).pn

## US Patent Documents

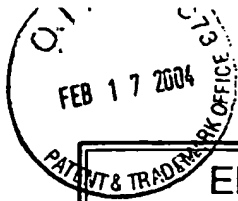
**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<del>HD</del>	1	4605826	1986-08-12	Kanemasa		370	290
<del>HD</del>	2	4626894	1986-12-02	Harwood, et al.		346	667
<del>HD</del>	3	4750156	1988-06-07	Abrams, et al.		367	42
<del>HD</del>	4	4884230	1989-11-28	Gielis, et al.		708	318
<del>HD</del>	5	4947362	1990-08-07	Bui		708	322
<del>HD</del>	6	5189415	1993-02-23	Shimada, et al.		340	854.6
<del>HD</del>	7	5274606	1993-12-28	Drumheller, et al.		367	82
<del>HD</del>	8	5394141	1995-02-28	Soulier		340	854.4
<del>HD</del>	9	5436564	1995-07-25	Kreger, et al.		600	411
<del>HD</del>	10	5448531	1995-09-05	Dragoset, Jr.		367	45
<del>HD</del>	11	5473321	1995-12-05	Goodman, et al.		340	854.9
<del>HD</del>	12	5490121	1996-02-06	Gardner, et al.		367	83
<del>HD</del>	13	5555530	1996-09-10	Meehan		367	45
<del>HD</del>	14	5576703	1996-11-19	MacLeod, et al.		340	854.4
<del>HD</del>	15	5780784	1998-07-14	Robbins		181	102
<del>HD</del>	16	5815496	1998-09-29	Flanagan, et al.		370	287
<del>HD</del>	17	5841810	1998-11-24	Wong, et al.		375	232
<del>HD</del>	18	5969638	1999-10-19	Chin		340	855.3
<del>HD</del>	19	5978417	1999-11-02	Baker, et al.		375	232
<del>HD</del>	20	6094623	2000-07-25	Mintchev, et al.		702	85
<del>HD</del>	21	6208265	2001-03-27	Smith		340	854.6

RED	22	6434247	2002-08-13	Kates, et al.		381	312
RED	23	6657597	2003-12-02	Rodney, et al.		343	719

**Signature**

Examiner Name	Date
	1/20/07



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Directional Signal and Noise Sensors for Borehole Electromagnetic Telemetry System						
Application Number:		10/673971					
Confirmation Number:		3957					
First Named Applicant:		Paul Rodney					
Attorney Docket Number:		1391-25206					
Art Unit:		2831					
Search string:		( 4199989 or 4215425 or 4878206 or 4980682 or 4992787 or 5289354 or 5467083 or 5565860 or 5627896 or 6023658 or 6188223 or 6285190 ).pn.					
<b>US Patent Documents</b>							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
HD	1	4199989	1980-04-29	Forward et al.		73	430
HD	2	4215425	1980-07-29	Waggener		367	83
HD	3	4878206	1989-10-31	Grosso et al.		367	83
HD	4	4980682	1990-12-25	Klein et al.		340	854
HD	5	4992787	1991-02-12	Helm		340	854
HD	6	5289354	1994-02-22	Clayer et al.		367	82
HD	7	5467083	1995-11-14	McDonald et al.		340	854.6
HD	8	5565860	1996-10-15	Sakata et al.		340	854.8
HD	9	5627896	1997-05-06	Southward et al.		381	71
HD	10	6023658	2000-02-08	Jeffryes		702	16
HD	11	6188223	2001-02-13	Van Steenwyk et al.		324	370
HD	12	6285190	2001-09-04	Brune et al.		324	326
<b>Signature</b>							
/Hung Dang/ (Examiner Name)					01/19/2007 Date		

